ORION®

HIGH PERFORMANCE CAR AUDIO

COBALT™

Single/Dual, 10"/12" Vented Subwoofer Enclosure System

MODEL

C0104SBX
C0124SBX
C0104DBX
C0124DBX

OWNER'S MANUAL

INTRODUCTION

Thank you for your purchase of the Orion vented subwoofer enclosure system from Directed Electronics. The Orion vented subwoofer enclosure system will excite and delight the auto sound enthusiast with years of high quality audio reproduction.

Orion vented subwoofer enclosure systems are covered by a limited warranty. Be sure to retain your original sales receipt, and refer to the warranty section on the back cover of this guide for full details about your coverage.

PRACTICE SAFE SOUND™

High-powered car audio systems may produce sound pressure levels that exceed the threshold at which hearing loss may result. They may also impair a driver's ability to hear traffic sounds or emergency vehicles. Use common sense and practice safe listening habits when listening to or adjusting your audio system. If your subwoofer enclosure is installed in the passenger compartment, make sure it is restrained from moving in case of an accident.

YOUR PRODUCT INFORMATION

Model Number: _____

Date of Purchase: _____

INSTALLATION

1. Place the speaker assembly in your vehicle. Common placement will normally be the trunk, back seat, or back of a van.

2. Connect each speaker to an amplifier output (not supplied), observing that the polarity markings on the back of the speaker enclosure are connected to the corresponding polarities on the amplifier.

NOTES:

- Do not use an amplifier that can drive the speakers beyond their specifications.
- Leave at least three inches of clear space in front of the port(s) and woofer(s) to allow for adequate air flow and woofer movement without obstruction. Orienting the woofers toward the rear of the vehicle will in most instances enhance the bass performance.

WARNING: Loose objects can become projectiles in the event of a rapid deceleration, abrupt turn or accident. Secure the enclosure in place with the mounting brackets provided to prevent it from shifting.

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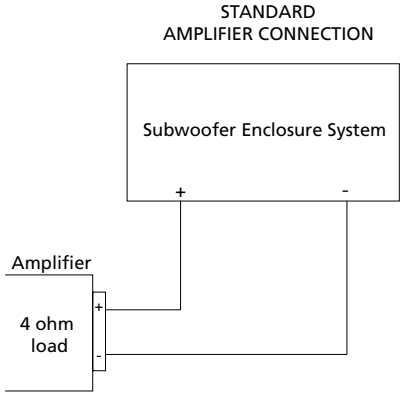
SINGLE ENCLOSURE WIRE CONNECTION GUIDE

The following diagram shows a standard connection to a mono amplifier or single channel of a multi-channel amplifier.

NOTE: Refer to your amplifier owner's manual before connecting the subwoofer enclosure system.



SPECIFICATIONS

Feature	CO104SBX	CO124SBX
Frequency response	35 Hz – 250 Hz	25 Hz – 250 Hz
Power handling (rms)	200 watts x 1	200 watts x 1
Power handling peak	400 watts x 1	400 watts x 1
Box Impedance	4 ohms x 1	4 ohms x 1
Efficiency (1W/1M)	86 dB	87 dB
Woofer size (inches)	10"	12"
Number of woofers	1	1
Enclosure type	slot vented	slot vented
Typical output level @ full power	114 to 123 dB	117 to 126 dB
Depth x Width x Height (inches)	15.47" x 15" x 12.44"	15.98" x 17" x 14.17"
Weight	25 lb (11.5 kg)	27 lb (12.5 kg)

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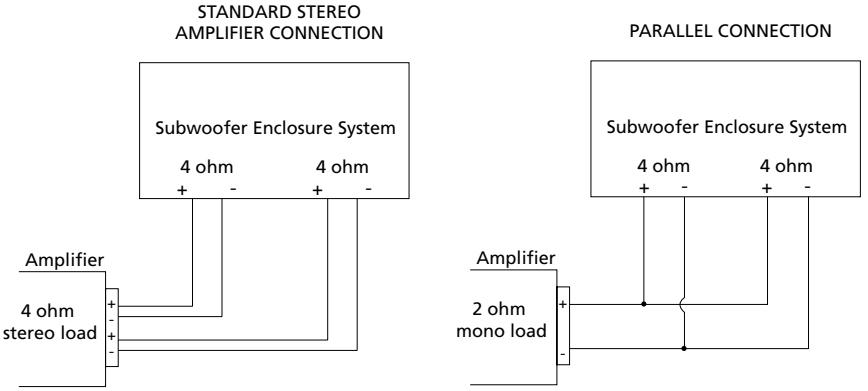
DUAL ENCLOSURE WIRE CONNECTION GUIDE

The following diagrams show a typical stereo and parallel setup with an amplifier.

NOTE: Refer to your amplifier owner's manual before connecting the subwoofer enclosure system, especially when employing bridge connections, as some amplifier models have different bridge output connections.



SPECIFICATIONS

Feature	CO104DBX	CO124DBX
Frequency response	35 Hz – 250 Hz	25 Hz – 250 Hz
Power handling (rms)	200 watts x 2	200 watts x 2
Power handling peak	400 watts x 2	400 watts x 2
Box Impedance	4 ohms x 2	4 ohms x 2
Efficiency (1W/1M)	86 dB	87 dB
Woofer size (inches)	10"	12"
Number of woofers	2	2
Enclosure type	slot vented	slot vented
Typical output level @ full power	117 to 126 dB	120 to 129 dB
Depth x Width x Height (inches)	15.47" x 30" x 12.44"	15.98" x 34" x 14.17"
Weight	48 lb (21.5 kg)	55 lb (25 kg)

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WARRANTY

LIMITED ONE-YEAR CONSUMER WARRANTY/*LIMITED TWO-YEAR CONSUMER WARRANTY FOR AUTHORIZED DIRECTED DEALER PURCHASE & INSTALLATION

Directed Electronics (herein "Directed") promises to the original purchaser of the subwoofer or amplifier, as applicable (herein "Unit" or "Product"), to repair or replace with a new or refurbished Unit (at Directed's sole and absolute discretion) should the Unit prove to be defective in workmanship or material under normal use, for a period of *two-years from the date of purchase from the authorized Directed dealer PROVIDED the Unit was purchased and installed by an authorized Directed dealer. During this *two-year period, there will be no charge for the repair or replacement PROVIDED the Unit is returned to Directed (DO NOT RETURN THE ENTIRE ENCLOSURE. PLEASE RETURN THE WARRANTIED UNIT ONLY.), shipping prepaid, along with the required proof of installation, the bill of sale or other dated proof of purchase, and the consumer's contact information. If the Unit is installed by anyone other than an authorized Directed dealer, the warranty period will be one-year from the date of purchase. This warranty is non-transferable and does not apply to any Unit that has been modified or used in a manner contrary to its intended purpose, and does not cover damage to the Unit caused by installation or removal of the Unit. During this one-year period, there will be no charge for the repair or replacement PROVIDED the Unit is returned to Directed, shipping pre-paid, along with the bill of sale or other dated proof of purchase and the consumer's contact information. This warranty is void if the product has been damaged by accident or unreasonable use, neglect, improper service or other causes not arising out of defects in materials or construction. This warranty does not cover the elimination of externally generated static or noise, or the correction of antenna problems or weak reception, damage to speakers, accessories, electrical systems, cosmetic damage or damage due to negligence, misuse, failure to follow operating instructions, accidental spills or customer applied cleaners, damage due to environmental causes such as floods, airborne fallout, chemicals, salt, hail, lightning or extreme temperatures, damage due to accidents, road hazards, fire, theft, loss or vandalism, damage due to improper connection to equipment of another manufacturer, modification of existing equipment, or Product which has been opened or tampered for any reason. Units which are found to be damaged by abuse resulting in thermally damaged voice coils are not covered by this warranty but may be replaced at the absolute and sole discretion of Directed. Unit must be returned to Directed (DO NOT RETURN THE ENTIRE ENCLOSURE. THE UNIT ENCLOSURE IS COVERED BY A SEPARATE 90-DAY LIMITED CONSUMER WARRANTY. PLEASE ONLY RETURN THE WARRANTIED UNIT UNLESS A WARRANTY CLAIM IS BEING MADE FOR THE ENCLOSURE.), postage pre-paid, with bill of sale or other dated proof of purchase bearing the following information: consumer's name, telephone number, and address, authorized dealer's name and address, and product description. Unit must be returned to the following address: ATTN: WARRANTY DEPARTMENT, Directed Electronics , 1 Viper Way, Vista, CA 92081. Note: This warranty does not cover labor costs for the removal and/or reinstallation of the Unit. IN ORDER FOR THE TWO-YEAR WARRANTY TO BE VALID, YOUR UNIT MUST BE SHIPPED WITH PROOF OF INSTALLATION BY AN AUTHORIZED DIRECTED DEALER. ALL UNITS RECEIVED BY DIRECTED FOR WARRANTY REPAIR WITHOUT PROOF OF DIRECTED DEALER INSTALLATION AND PURCHASE WILL BE COVERED BY THE LIMITED 1 YEAR WARRANTY.

BY PURCHASING THIS PRODUCT, ALL WARRANTIES INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY ARE EXPRESSLY EXCLUDED TO THE MAXIMUM EXTENT ALLOWED BY LAW, AND DIRECTED NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT. DIRECTED HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED DEALERS OR INSTALLERS. IN NO EVENT WILL DIRECTED BE LIABLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES (INCLUDING LOSS OF PROFITS). BY PURCHASING THIS PRODUCT, THE CONSUMER AGREES AND CONSENTS THAT ALL DISPUTES BETWEEN THE CONSUMER AND DIRECTED SHALL BE RESOLVED IN ACCORDANCE WITH CALIFORNIA LAWS IN SAN DIEGO COUNTY, CALIFORNIA. This warranty is only valid for sale of Product within the United States of America. Product sold outside of the United States of America is sold "AS-IS," and shall have NO WARRANTY, express or implied. Some states do not allow limitation on how long an implied warranty lasts. In such states, the limitation or exclusions of this Limited Warranty may not apply. Some states do not allow the exclusion or limitation of incidental or consequential damages. In such states, the exclusion or limitation of this Limited Warranty may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights which vary from state to state.

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GCO104SDBX 2009-04